FIG. 1

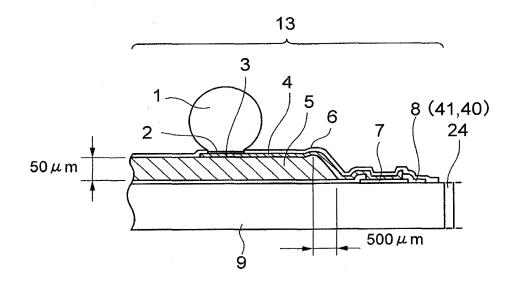


FIG. 2

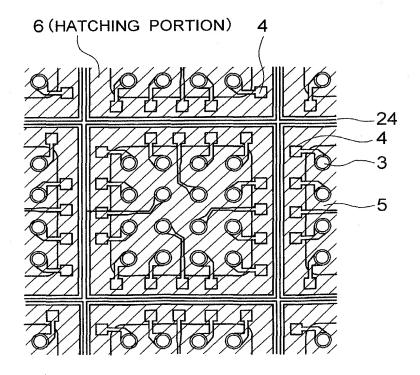


FIG. 3

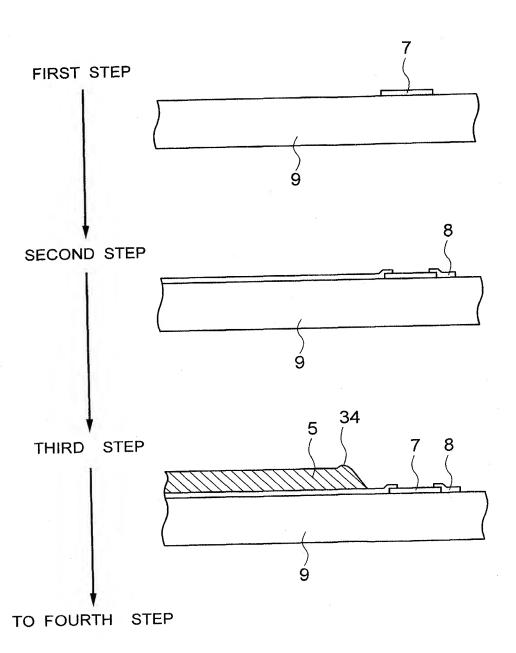


FIG. 4

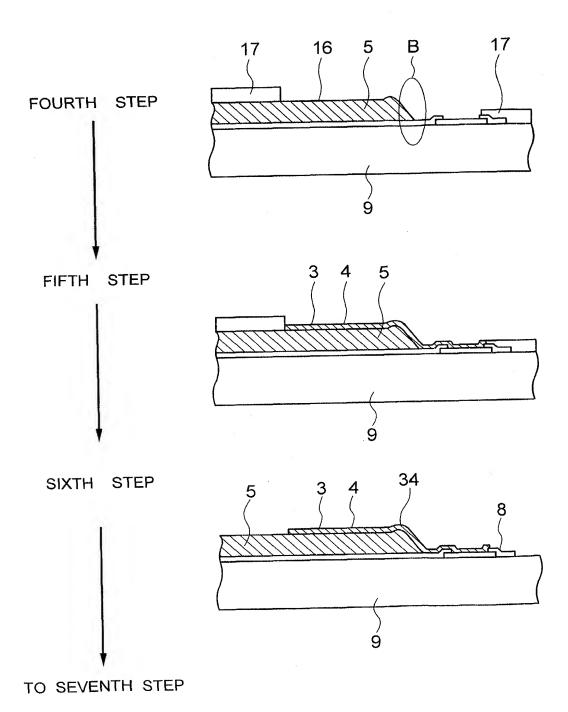


FIG. 5

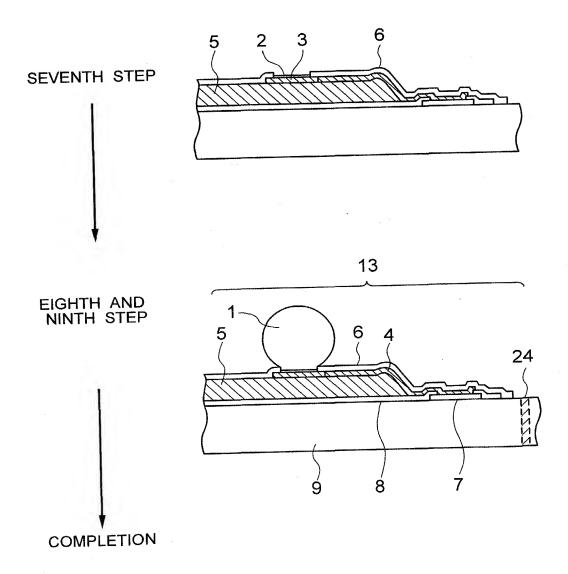


FIG. 6

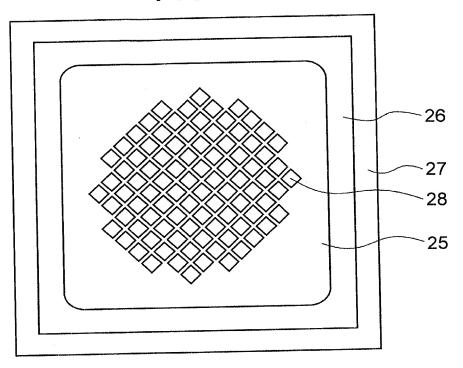
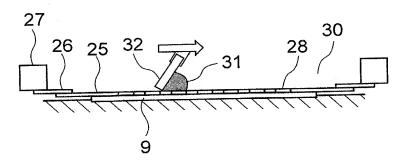


FIG. 7



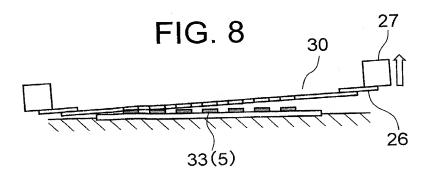


FIG. 9

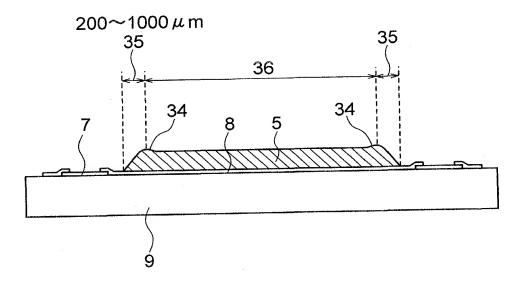


FIG. 10

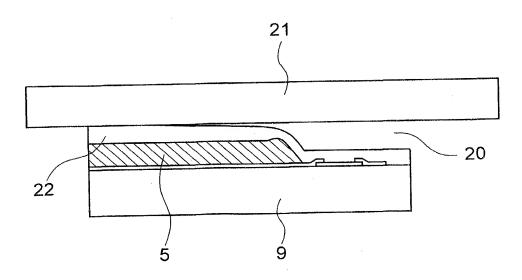


FIG. 11

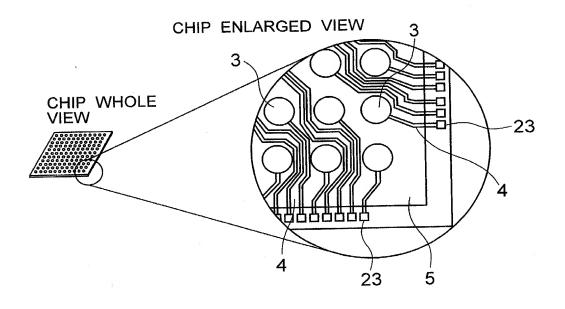


FIG. 12

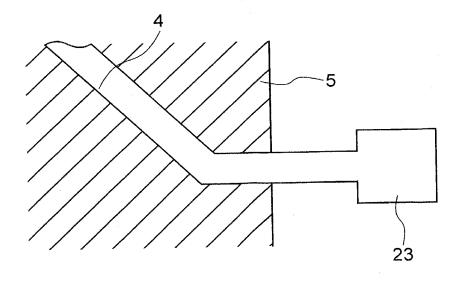


FIG. 13

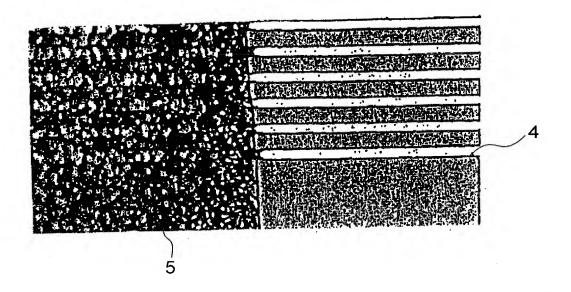


FIG. 14

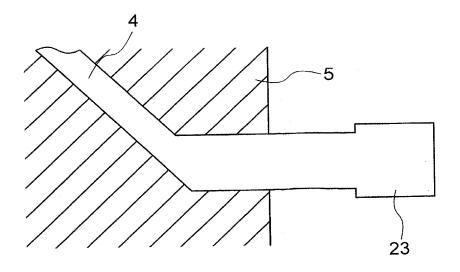


FIG. 15

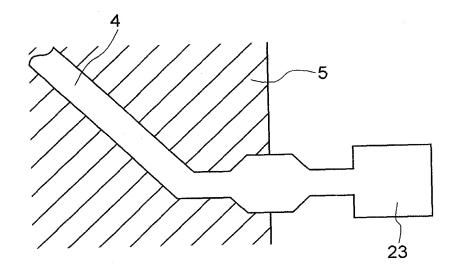


FIG. 16

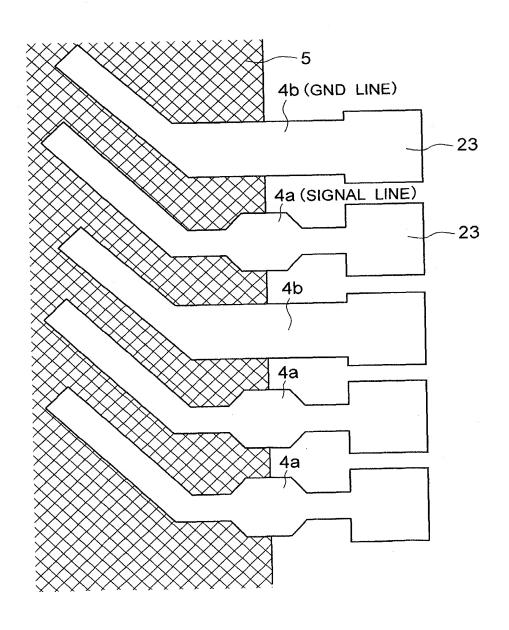


FIG. 17A

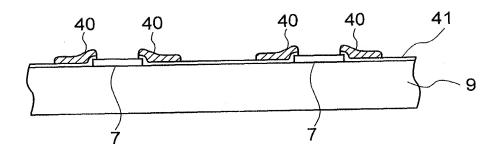


FIG. 17B

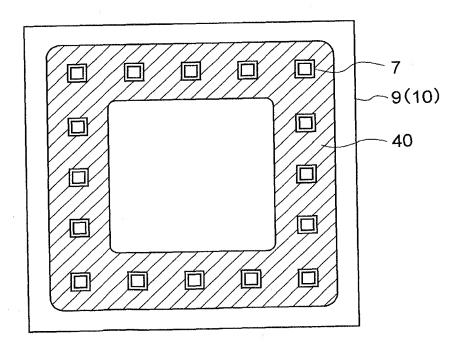


FIG. 18a

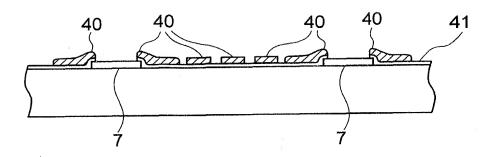


FIG. 18b

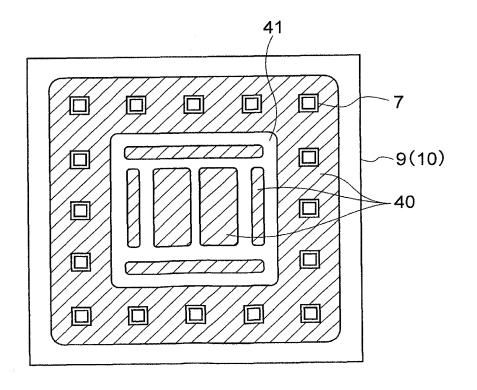


FIG. 19

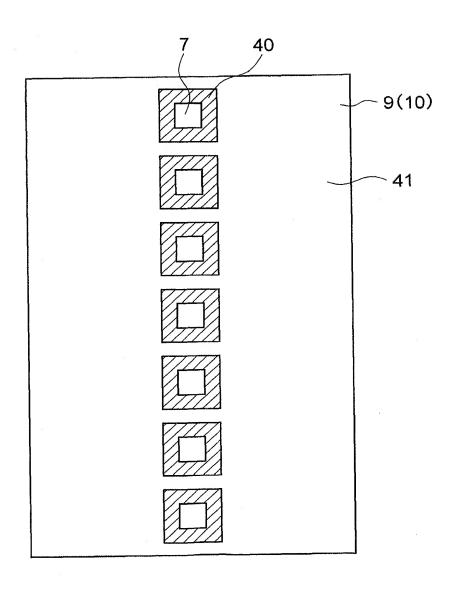


FIG. 20

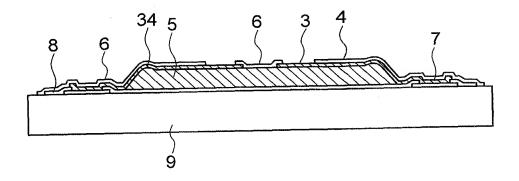


FIG. 21

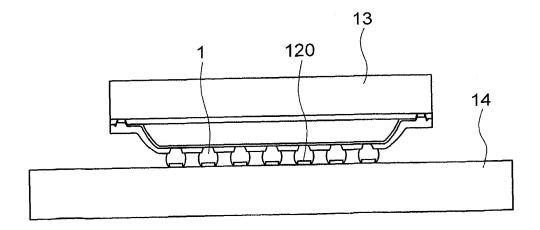


FIG. 22A

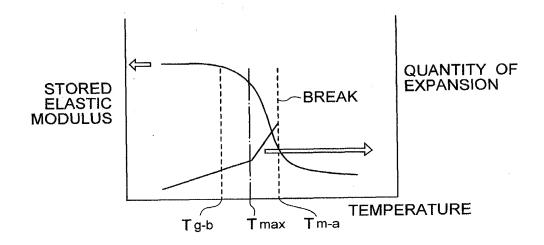


FIG. 22B

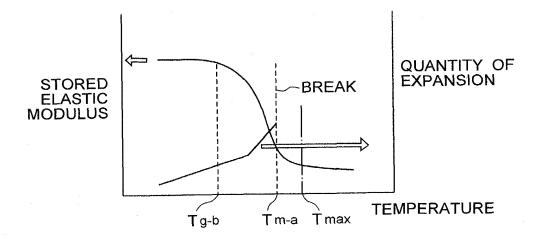


FIG. 23A

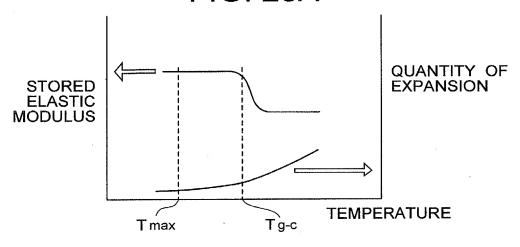


FIG. 23B

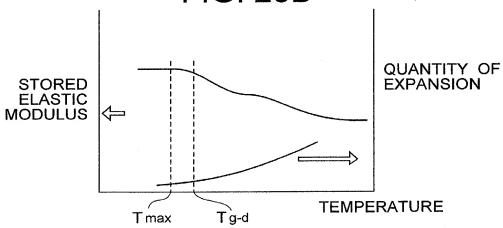


FIG. 23C

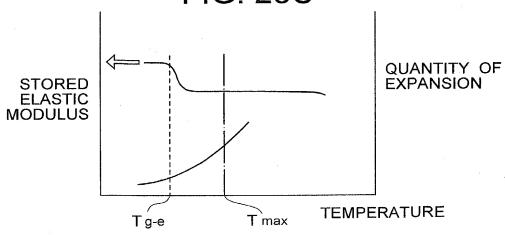


FIG. 24

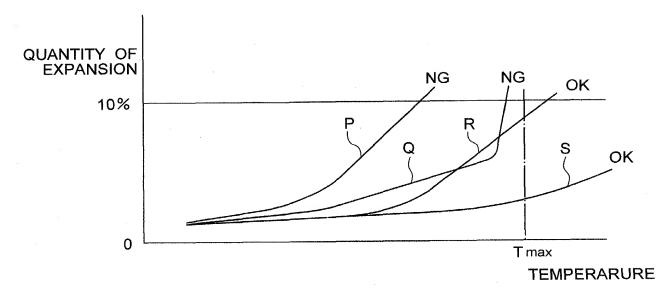
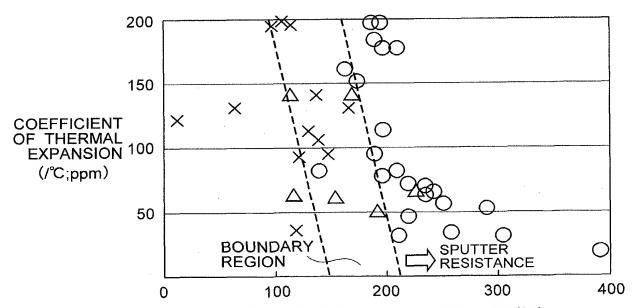


FIG. 25



GLASS TRANSITION TEMPERATURE(℃)

CHARACTERISTIC PROPERTIES AND SPUTTER RESISTANCE OF MATERIALS WHICH MAY BE USED AS STRESS RELAXATION LAYER

> X :CRACKS FORMED △ :WRINKLES FORMED
> ○ :NO ABNORMALITY

FIG. 26

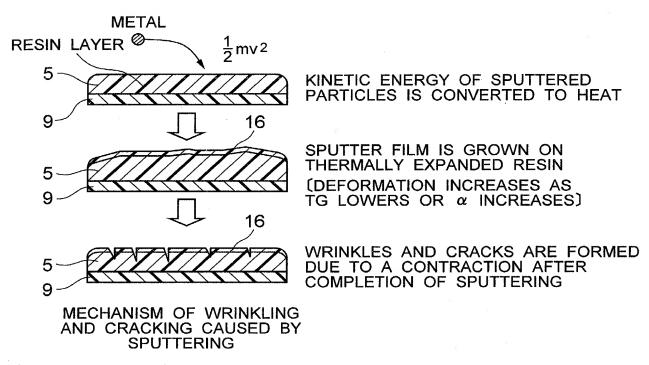


FIG. 27

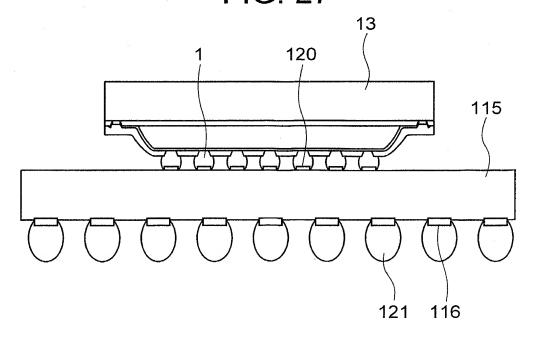


FIG. 28

